

Abstract

The present invention discloses an electronic stethoscope with a Piezo-Electrical Film contact microphone comprising a stethoscope head with a Piezo-Electrical Film contact microphone inside, and
5 the stethoscope head is electrically connected to a circuit and a microcontroller unit (MCU). The microcontroller unit is connected to a front-end operational amplifier (OP-amp) circuit, a wave filter circuit, and a transmit circuit, such that when the stethoscope is used, the weak sound signal received by contacting
10 stethoscope head with a human body is sent to the OP amplifier. The amplified sound signal (such as heart sound and lung sound) selectively measured by the switch module is processed by the microcontroller unit and the wave filter. The filtered sound signal is sent to a transmit/receive circuit, so that the wave filter circuit
15 can filter the noise of the sound signal produced by human bodies under the control of the microcontroller unit, and medical people can make correct diagnostics based on the correct sound received through the transmit/receive circuits.